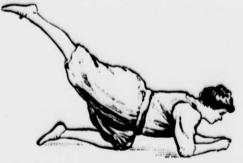
## EFFECTIVE HOME EXERCISES FOR THE BUSY WOMAN



Bring the knee completely back to position



Take the exercise with a yawn and the pleasurable sense of a good stretch. Be sure that you are not holding the breath



Winged Victory of Samothrace.





Then raise the knee again to its first position. Take the movement about six times with each leg, or with right and left alternately.

## Hints to Prevent Flattening of the Arch of the Foot Resulting From Strain-Dangers of Faulty Clothing

ment underneath it is a quick and sim-A few fastenings under the front plait, the bretelles hooked into an eye on each shoulder seam, and the skirt is neatly and safely on, without pins and

It is not possible to find or make one style or shape which will suit all feet nor to lay down narrow rules concerning the kind of shoe which every one should wear. Feet that have been moulded for many years by faulty

with no fear of anything wrong at the spite of the theory on which the last exercise increases the heart beat gradhas been built, in flattening down the ually after the night's quiet, instead of

starting it up suddenly, as happens when one springs energetically out of oed on waking. The bath is an important adjunct of exercise, for the skin must be cleansed

of the waste matter that it has exuded, and the pores must be closed, to prevent chill. To accomplish this it is by no means necessary to jump into a tub or to take a shower, and the cold tub and cold shower are not to be recommended in most cases, as the sudden driving of the blood from the surface when one is very warm is apt to be too great a shock. Besides, warm water s more cleansing than cold, so that it s better to use warm water first and then the quick rinse with cold water afterward to close the pores. But there a e more ways than

one of caring for the skin. A rub off with a towel, wet and then well wrung and shaken out, makes a good substitute for the tub or shower on cold days or when the vitality is not quite so igh as usual. As a daily bath, also, the damp towelling may be used with tonic effect by those who find that they do not react well after a more generous application of cold water, and it may be ound desirable to use a dry towel after the wet one. A dash of cold water about the neck and chest after one grows accustomed to it makes a pleasant finish for the towel bath.

and then let it slump down completely It is not an uncommon thing to wash arch and causing pain and trouble. Forthe face and as ones dries it to have tunately nearly every shop now carries the feeling that it has been smeared or two styles of fairly reasonable over with a thin coat of varnish, eswalking shoes for women which may pecially if one has been so misguided often be improved by such simple means as to use a little soap. A little almond as adding a lift to the heel or taking one meal (unscented), borax, or ordinary or two lifts off or by changing the baking soda used with hard water,

shape of the heel altogether. It is good plan to keep on hand several pairs to dry the skin, will act as a sorrow of shoes, each with its own good points, and make the bath more cleansing.

Briefly, the matter stands thus—that rdinary bathing is not bathing under all circumstances, and in all climates; that the main purpose of the bath is to cleanse the skin and to keep the pores free; that water alone will not always accomplish this for all people alike, and that there are other ways by the intelligence and mental attitude of keeping the skin in order besides of the pupil, for the understanding of getting into a tub. This does not mean getting into a tub. This does not mean that the tub bath is to be given up altogether. The tonic effect of the cold the movements are done but brings bath or of the rapid hot bath, for certain people under certain conditions, has been proved and accepted; and the necessity for most people of a warm bath every few days, in addition to some kind of daily grooming, is equally well

ception of physical education or train- established. Some women find it tiring to lie at he usually accepted and narrow idea full length on the back, especially those who are large through the hips. The strain is relieved by drawing the knees up a little and, where the exercise calls for a straight leg position, by keeping taking the movement.

Before beginning the exercise the pupil should lie for a few minutes in a state of relaxation or should spend a ittle time in trying to acquire the abilty to relax, for that ability not only saves us daily much good energy and nervous force, but also comes to our aid in times of sleeplessness, pain or illness. To be able to relax perfectly also means to be able to rest thoroughly o get the greatest amount of rest in the shortest time.

The pupil should notice frequently whether or not she is breathing freely and rhythmically, for there is a tenlency to hold the breath both when an exercise is too heavy and also when the pupil is naturally inclined to be rigid. Thus the breathing may indicate to the pupil whether she is properly reaxed or not and also whether she aking work that is somewhat beyond ier strength

To relax, drop down on a bed or mat in any comfortable position with the feeling that you do not have to move for hours and that nothing can make you get up. Then slowly turn over on the back and lie with the legs straight lown (or one knee bent) and the arms flung out. Drop the eyellds sleepily, drop the tongue and jaw feebly; feel heavy, limp all over; hear nothing; namely, do not let the mind hear what comes in at the ears. Think nothing; or if you must think, put your mind on your breathing. Breathe slowly and rhythmically, sinking away more and more into a state of sleepy indifference each time the breath goes out and waiting a lazy moment before taking the breath in again. Now and then test the hand or foot to see whether it is limp and heavy, too heavy to lift from the floor. Loosen the curled fingers, and smile a little to relax the muscles of the face, which are tense more often than

we realize. Daily deep breathing is one of the best exercises that a woman can take; should be taken at frequent intervals during the day, not always in the formal way nor in the position given here; out wherever and whenever it is possible to get good fresh air. Try it while walking in the street, a breath to so ions when passing an open window in the house; make it a rule before going to sleep at night, for it is helpful where there is a tendency to sleeplessness, Practise it regularly on waking in the morning; in short, form the habit of slower, deeper breathing at all times, for it has a quieting effect on heart and nerves and helps the circulation. Moreover the oxygen which we breathe in with the air is a food. Although the blood away from the stomach by do not ordinarily think or speak of it xercising within an hour or more after as food it is as important to the upkeep and nutrition of our bodies as the food advisable to take any very vigorous ex- that goes in at our mouths, and it is

likewise a source of vitality and energy

of deep breathing, yawning, stretching Most of us through habit of lazy, shal-and squirming before getting up in the low breathing and too much living in-

morning is normal and wholesome for doors keep our blood oxygen poor.

Florence Bolton, Gymnasium Director of Stanford University, Gives Some Valuable Advice for Improving the Feminine Physical Condition

Raise the hips until there is a straight in-

cline from neck to knees. Relax thoroughly

Fling the heels up and back as far as

they will go, even until they touch the

nflexible wrapping and in a series of

heating and restricting belts. The de-

velopment that might come from bend-

ing, stooping and twisting in the ordinary activity of the day is interfered

with by this artificial swathing around

the waist, which practically cuts the abdominal muscles in two in their ac-

tion and prevents the contraction of

Dependence denotes weakness, whether

is upon our morning coffee that we

depend or upon a corset, and the amount of dependence in either case is

an index of the amount of weakness

that has been produced. In other words, the weaker a woman is muscu-

the weaker her muscles grow. Many

women have reached a degree of flabbi

ness which, for the sake of the position and proper action of the internal of

The prevalence of belts and bands in

without a corset or other boned pro

and may also be harmful, unless they

hips. It is a mistake to think that the

always at the point of smallest

girth-with most women two or three

inches above the hip bones. The only

reasonable place to wear a belt is not

at present requires, but where its pres-

sure will come on bone and heavy

muscle, four or five inches below the

inartistic line directly around the mid-

dle of the body, has consistently omitted

anything which deliberately defines the

conventional waist line. Her costume

is short waisted in the style of the

Empire; or it has a girdle dropping

loose and low, which follows more or

less the line of the bony girdle of the

ally to fear abdominal chill, and give

complaints of constipation and conges-

tion which are aggravated by the un-

a narrow elastic run into the hem as

For any one who does not wear a

corset the question of keeping up the

are very tiring, and really a mistake

While the princess petticoat is theo-

se ms for practical purposes almost un-

occasions if we do not depend upon

The tailor suit, consisting of jacket

skirt and shirtwaist, has become a sort

drawers and vest must

a substitute for belt or tape.

where the back and chest

o the added drag of clothing.

three hooks on the back of the

the back muscles.

feet." has passed, and we know larly the more she feels the need for

University, has issued a book on exer-It is published by

substitute.

The adjustment of the human race says the author, to the erect posture seems not yet complete, and the change position on all fours has apbeen harder on woman than on But may not the various disabili we attribute to her less perment to the upright position e in some degree traced to loss of tone due to an increasing inactivity, to faulty clothing and to similar conditions which selecte and civilization have imposed? In these days no gymnastic lesson carries out its purpose of combating artificial and faulty conditions if it fails give very definite astention to the for while actual flat foot is comentirely rare, weak feet in various ages of flattening are most common and we find a constant increasing numof people disabled for a longer or time as a result of fook strain hose whose occupations keep them such on their feet seem most liable serious trouble, and they suffer often om swelling and burning of the feet the instep, ankle or arch. Nor does the trouble always stop here. Weakened lattened feet, quite aside from any pain can account for such things he, swellings at the back of nervous backache (all resultor less from the jar of walking) about the hips, and may even insignificant factor in a case of The old vague diagdisorder as "rheumatism,

ormal condition, when the supin the proper position under its foot is turned straight fornd is slightly hollowed in the The pressure comes across at part of it (including the great the outer border (i. e., along waist line, instead of being a support, nner border where the arch sure on the abdomen and the organs In this position the foot freedom of action, and the within, The prevalence of belts and bands in the costume of our women is, no doubt, and elasticity of the arch. Und conditions, also, the whole nt of bones, ligaments and prevalence of corsets. Belts worn at the knee is such that in- tection are decidedly uncomfortable atinually yielding to its burknee joint is kept firm and his straight foot position is the waist measure and supported from position of strength, of the shoulders or allowed to rest on the is no better proof than the onstant use in boxing and weight of women's skirts is ordinarily making a firm base from To increase the strength en turn the foot Inward. as demanded of us (of illy) that we should turn

of the feet,"

"something

the nerves and blood vessels

se various forms of pain and

eneral flattening of the arch of the

n in which the foot is most one in which the toe is and pointed down like the toe for in this position the orced up as much as possible, ones slip into their normal the ligaments and tendons, ive been on the stretch, are ince to regain their elas-Therefore, rising frequently on the toes (with the weight the little toe side) during erced standing is a rest, and ling the foot pointed and pelvis. an exercise while one is ng down, is not only a reneans of strengthening the To keep the foot in artificially, however, for the waist. Women seem rather generat a time, as we do in a ice, only tends in the end It is always action, not gives strength.

the age when as a young as infinitely greater physiand opportunity to estab one than his sister tessed throughout his life of muscle in the most or lvities helps to some extain that tone. In the case vever, inertia, the tendency and be inactive, makes its very early; how early demall extent upon the attipeople who make up her nd upon their ideas as oper" or "improper" for kiven age to do. The teninactivity usually d with the putting on of and loss of movement in noticeable with the addiis to the wardrobe. This retically all that could be wished, it has increasing with e wearing of conventional

tered look characteristic of n of thirty or over. however, such a constant skirts for warmth; and if the band is ant factor in a woman's en- made several inches larger than the and their action on the body waist measure, is hung up to two or ise and development that waist and allowed to drop well in front fairly be left out of a dis- it gives about as much freedom as the hese matters, and there are points which naturally de-

ere comes that settled.

of the property of state being a ban-

ERY few women indeed are sat- adapted to activity or even to normal | business, travel and street wear. It is isfied with their physical condi-tion, and quite as few have the tame or opportunity to attend a loss turn and irritation of clothing which, never-It is for this big majority theless, are always present and always light one, the heat, pressure and drag sex that Florence Bolton, who is drawing on our nervous vitality. Shoes at the waistline are a source of condrance, and the most vital part of the Perhaps the body is encased in an impervious and may solve their problem: With seven

following arrangement



A common sightthe ankles bulging in-

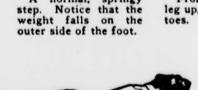
Do not try to raise the hips; it is only at the

Bend both knees out sideways close

to the floor, drawing the feet up sole to



"Toeing out" has allowed the weight to fall to side, pressing



A normal, springy From this bent knee position stretch the leg up, making a straight line to the tip of the



Hump the back up as high as you can,

everal times a day if the feet are

Exercise is not, as is often vaguely

supp sed, a magic remedy for all ills,

nor can it be taken passively, like a dose, .Results are greatly influenced

underlying facts and principles not only

affects the form and manner in which

about gradually a conscious or uncon-

scious regulation of those faulty con-

ditions which it is the purpose of the

more or less artificial exercises to over-

come. To be really effective, the con-

ing must contain something more than

respect to everything in the environ-

ment which relates to the condition and

most of our public schools physical

training has for one reason or another

lost or never taken on the broader ide:

but has settled down complacently to a

mere system of specialized muscula

movements, such as dancing here

games and athletics there, or some sort

of condensed "setting up" drill which

all the pupils take in common. It is

not reasonable to expect that mere ex-ercise taken for half an hour once or

twice a week and done by imitation,

with no particular infliative, intelli

gence or conscious sense on the part

of the pupil, can successfully cope with

the various adverse forces which are

constantly at work in the daily environ

Systematic physical training in its

broadest sense, between the ages of 11 and 18, probably produces deeper and

more lasting results than at any other

period and good muscle habits and mus

first twenty years of life are never

under any reasonable conditions, wholly

lost. This does not mean that system

atic training before this time is not

important, but 11 is commonly the

age when girls begin to be inactive

and when there is nothing offered to

take the place of the play that most

The aim of mat work is to give the

greatest amount of trunk, and especially

abdominal, development with the least

amount of strain and fatigue. With the

body in a reclining or quadruped posi-

position-the muscles which have kept

us constantly in the upright posture

are at rest, the pelvic circulation is fa-cilitated and congestion relieved, be-

cause the blood now gets away easily

abdominal organs are in a position in

which the drag and downward tendency

are relieved, the arches of the feet are

freed from weight and pressure. It is

the baby's mat work-his creeping

stretching, sprawling and squirming-

that strengthens and prepares him to

It is hardly necessary to mention that

exercise to be effective, or in many

cases safe, should be taken in a cos-

tume which avoids the faults of ordi-nary dress and gives freedom in every

way, not forgetting that the trunk ac

tually changes girth in different posi

tions. It is interesting to note in this

connection that there is hardly a gym-

nasium suit in use to-day which is not

made with one to three belts, "snug enough to stay in place," or which is not worn with one, two or m re bands

on the garments underneath.

The time for exercise is largely an

individual matter. It is unwise to draw

eating, and for many people it is not

ercise before breakfast. A few minutes

assume the erect posture,

through the great valveless vein; the

-the "knee elbow" or "knee chest

of them have had so far.

ular development acquired within the

highest efficiency of the human machine. It is to be regretted that in

It must include a training with

before humping again.

sensitive.





Lift the left leg high and carry it across the body, touching the toe to the floor on the right

hooks at intervals on the shirtwaist and held down and kept neatly in place with shapes will often find it impossible to corresponding eyes on the belt out a snug belt. With such an arrange- wear with any comfort a normal shape. of the underskirt the shirtwaist can be pie matter to slip into the beltless skirt. Many a "common sense" shoe has the

## FRANCES AND HER LITTLE support to do the work for her muscles



Young Frances Tacher thinks no more of playing with a lion cub than most children do of playing with a kitten. Because she and her brother Jack contributed the first \$10 bill toward a fund to erect a new lion house in Central Park Bill Snyder extends to Frances privileges which few other chilwoman's dress is essentially ill of national costume for women for dren enjoy. The accompanying photo shows Frances feeding Panama, the lion cub.